

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/004455

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F01L13/00 F01L1/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12, 5 December 2003 (2003-12-05) & JP 2003 239712 A (NIPPON SOKEN INC; DENSO CORP), 27 August 2003 (2003-08-27) abstract; figures	1-11
X,P	WO 03/098012 A (YAMAHA HATSUDOKI KABUSHIKI KAISHA; FUJITA, HIDEO; HATAMURA, KOICHI) 27 November 2003 (2003-11-27) abstract; figures	1-11
A,P	DE 102 21 133 A1 (THYSSENKRUPP AUTOMOTIVE AG) 27 November 2003 (2003-11-27) the whole document	1,6
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

14 February 2005

Date of mailing of the international search report

22/03/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	EP 1 039 103 A (BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT) 27 September 2000 (2000-09-27) the whole document -----	1-11
A	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 11, 5 November 2003 (2003-11-05) & JP 2003 201814 A (SUZUKI MOTOR CORP), 18 July 2003 (2003-07-18) abstract; figure 5 -----	1,6,9

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